Special Issue

Advanced Sensing Technologies in Archaeology and Heritage

Message from the Guest Editors

Advancements in technology with the development of inexpensive high-resolution cameras, drones, robotic sensors, plasmonic nanostructures, and plasmonic-enhanced photodetectors for focal plane arrays combined with AI and machine learning have revolutionized the way materials are analyzed, accessed, and interpreted. These sensing technologies offer a new generation of high-resolution, high-speed, and high-sensitivity analyzers and provide information for improved diagnostics and cultural heritage evaluations. We are pleased to invite you to contribute to the state of the art of field-deployable or laboratory/large-scale facility sensing technologies for cultural heritage applications. Research areas may include (but are not limited to) the following topics:

- Photonic sensing for cultural heritage applications;
- Remote sensing in archaeology;
- Diffraction-limited resolution systems for material culture applications;
- Artificial intelligence for cultural heritage;
- Smart portable systems for diagnostics and monitoring in archaeology and cultural heritage.

For more information, please visit: mdpi.com/si/148529

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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